



PATENT APPLICATION  
Do. No. 1482-138  
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TECHNOLOGY CENTER 2800  
FEB - 4 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrie Gilbert

Serial No. 09/694,731 Examiner: Quan Tra

Filed: October 23, 2000 Group Art Unit: 2816

For: LOW SUPPLY CURRENT RMS-TO-DC CONVERTER

Date: October 18, 2001

Assistant Commissioner for Patents  
Washington, DC 20231

I HEREBY CERTIFY THAT THIS  
CORRESPONDENCE IS BEING DEPOSITED  
WITH THE UNITED STATES POSTAL  
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TRADEMARKS 2900 CRYSTAL DRIVE  
ARLINGTON, VA 22202-3513

RESPONSE TO OFFICE ACTION

Responsive to the Office Action, dated July 18, 2001, please amend the application as follows.

IN THE CLAIMS

Please amend the claims by rewriting as follows.

1. (Amended) A method for operating a transistor cell comprising an input terminal for receiving an input signal, an output terminal for transmitting an output signal, a grounded base transistor coupled between the input and output terminals, and a current mirror coupled between the input and output terminals, the method comprising:

    biasing the transistor cell to establish a bias current in the grounded base transistor and the current mirror when the input signal is zero; and

    limiting the input signal to a range in which the output function of the transistor cell approximates a square-law.

2. (Cancelled)

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